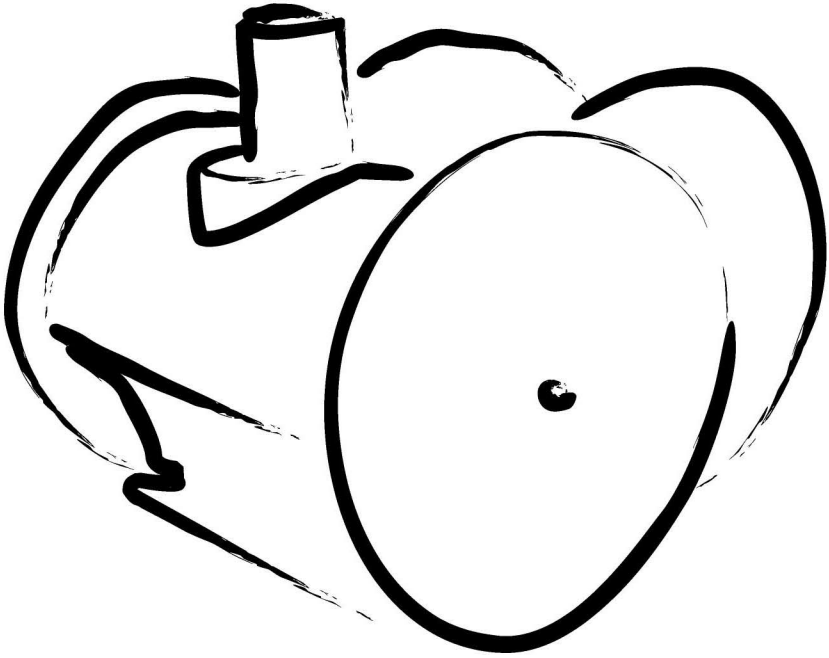
The PoolCleaner™



OWNERS MANUAL
2 WHEEL and 4 WHEEL
SUCTION-SIDE POOLCLEANERS

MADE IN THE USA by POOLVERGNUEGEN

AUSTRALIAN & NEW ZEALAND DISTRIBUTOR

www.linc.com.au

Lincoln
pool equipment
since 1974

IMPORTANT FACTS

- The POOLCLEANER™ should **NEVER** be used to remove plaster debris in new pools.
- **ALWAYS** remove the POOLCLEANER™ before you chemically shock your pool.
- **ALWAYS** remove the POOLCLEANER™ when swimmers enter the pool.
- When removed from the pool, store the POOLCLEANER™ in a shaded safe area.
- When removed from pool **DO NOT** coil the hoses. **THEY MUST BE STORED STRAIGHT**.
- The POOLCLEANER™ is **NOT** a toy and not intended for children.
- Keep the POOLCLEANER™ and hoses away from chewing pets.
- **REMOVE** the POOLCLEANER™ when performing backwash.
- **REMEMBER SAFETY FIRST**

INCLUDED COMPONENTS

2 WHEEL MODEL

1 2 X SUCTION POOLCLEANER™

10 SECTION OF HOSE

1 LEADER HOSE (grey cuff)

1 FLOAT (2 halves)

1 HOSE CONE

2 45º CONNECTOR

1 REGULAR VALVE

4 WHEEL MODEL

1 4 x SUCTION POOLCLEANER™

11 SECTIONS OF HOSE

1 LEADER HOSE (grey cuff)

1 FLOAT (2 halves)

1 HOSE CONE

2 45º CONNECTOR

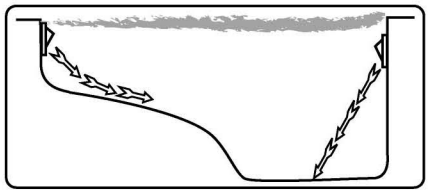
1 REGULATOR VALVE

INSTALLING THE POOLCLEANER

STEP 1 Preparing your pool . . .

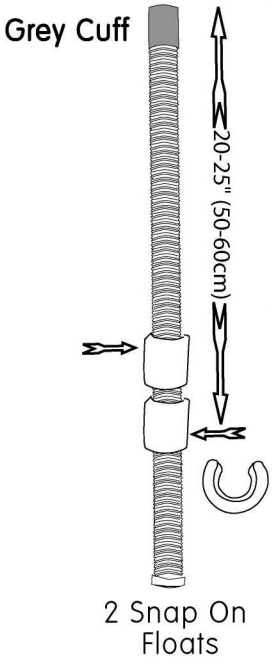
1. Manually clean/vacuum your pool.
2. Perform a backwash, clean your filter, skimmer baskets and pump basket.
3. Make sure your chemical balance is correct. If not, now is the time to correct it. If you chemically shock the pool, wait a day or two before continuing.
4. Point all your return fittings downward.

POINT RETURN FITTINGS DOWN

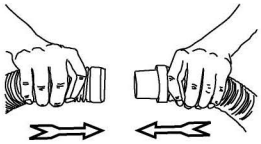


STEP 2 Connecting the hoses . . .

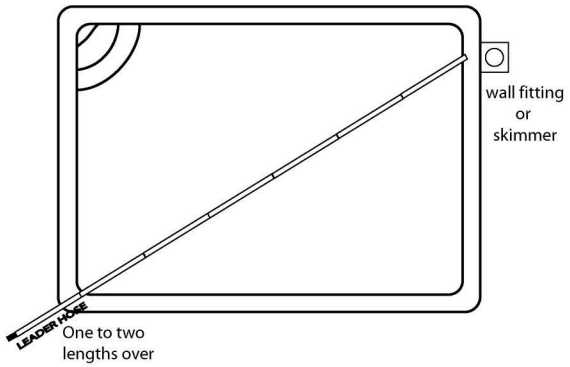
1. Take the Leader Hose (the one with the grey cuff) and attach the 2 snap on floats, snap them at 50cm to 60cm from the grey cuff. This is the section of hose that attaches to the POOLCLEANER™ in Step 3.



2. Connect all the hoses (except the Leader Hose). Connect male to female. If need be, wet the hoses for easier assembly. Now connect Leader Hose to the end.



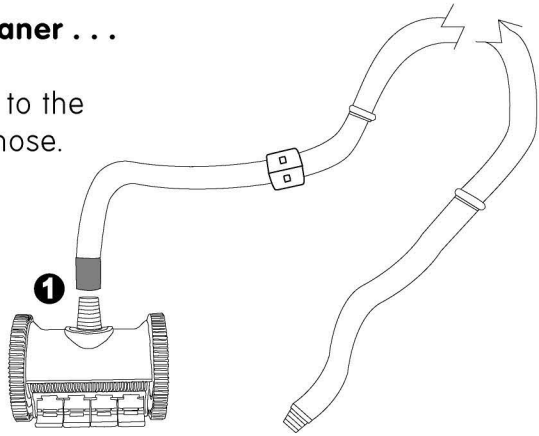
3. The connected hoses should be one to two lengths longer than the furthest point from the vacuum source (skimmer or wall fitting).



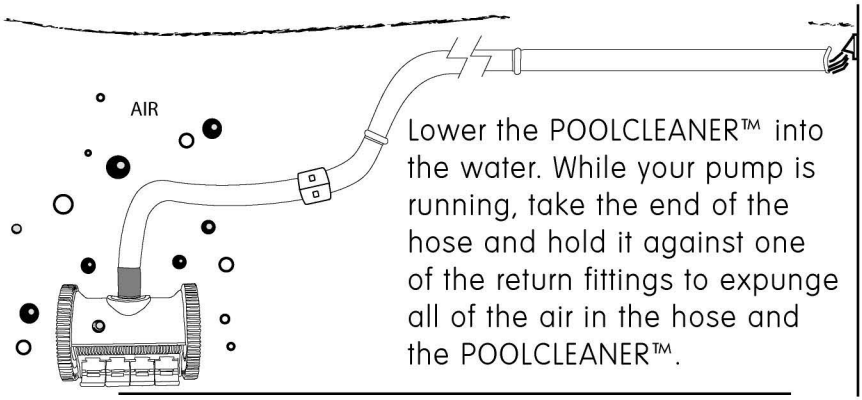
INSTALLING THE POOLCLEANER cont.

STEP 3 Attaching the PoolCleaner . . .

1. Connect the POOLCLEANER™ to the grey cuff end on the leader hose.



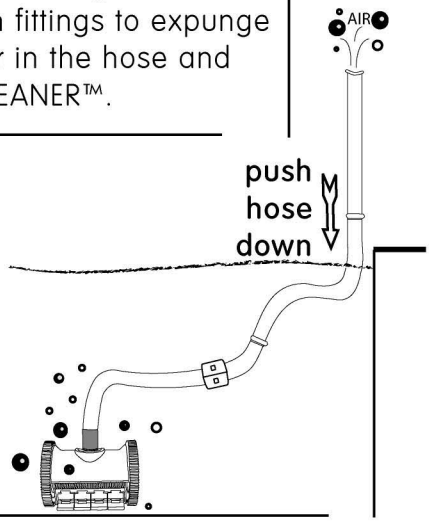
STEP 4 Getting your PoolCleaner wet . . .



Lower the POOLCLEANER™ into the water. While your pump is running, take the end of the hose and hold it against one of the return fittings to expunge all of the air in the hose and the POOLCLEANER™.

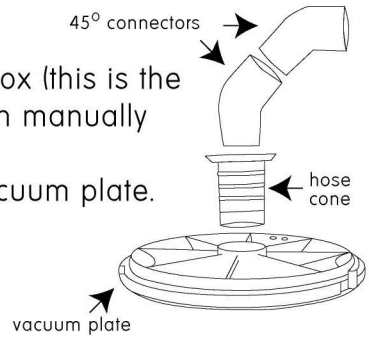
OR

With the pump turned off, lower the POOLCLEANER™ and then vertically push the hose down into the water until the hose is completely filled with water.



YOU DO NOT WANT ANY AIR TO REMAIN IN THE HOSE AND THE POOLCLEANER ™!!

INSTALLING THE POOLCLEANER cont.

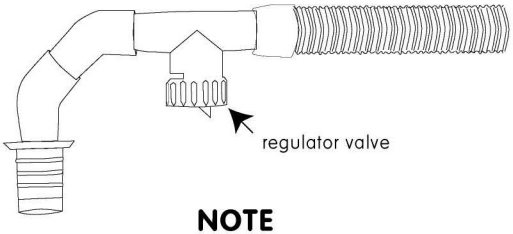


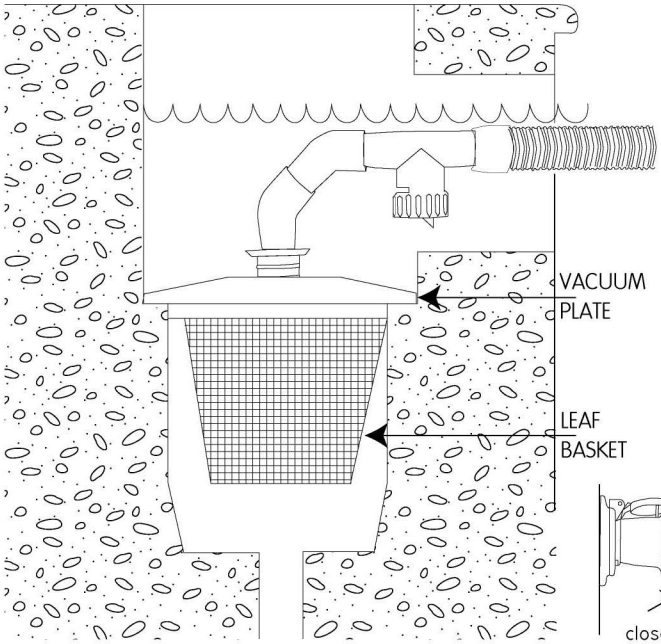
STEP 5

1. Install the vacuum plate into the skimmer box (this is the plate that the vacuum hose plugs into when manually vacuuming).
2. Place the hose cone into the hole in the vacuum plate.
3. Connect the two 45° connectors together, then place into the hose cone.

STEP 6

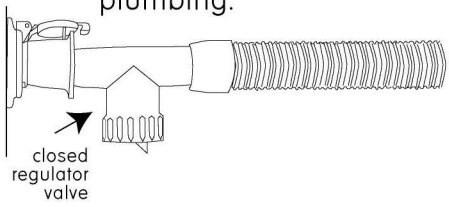
1. Connect the regulator valve to the end of the vacuum hose, ensuring that the arrow on top of the regulator valve is pointing away from the pool, i.e. the direction of water flow.
2. Connect the regulator valve to the 45 degree connector.
3. Turn on the pool pump. The PoolCleaner™ is now ready to be adjusted for the correct speed.





NOTE

If the pool has a dedicated wall suction point (as shown below), insert the hose cone into the wall suction fitting, then attach the regulator valve and vacuum hose. Close off the regulator valve and adjust the cleaner speed via the 3 way valve on the pool plumbing.



GETTING STARTED

STEP 7
Adjust the wheel RPM (revolutions per minute) to obtain optimal setting of 11-13 RPM.

NOTE It will still clean as low as 8 RPM but will not climb walls.

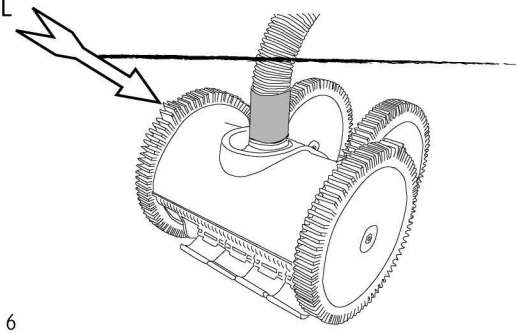
While the PoolCleaner™ is running take it by the leader hose so that the PoolCleaner™ is just below the water. (KEEP THE CLEANER BELOW THE WATER LEVEL or else it will suck air).
Now count the number of revolutions made per minute by the RIGHT FRONT WHEEL by using the hump (raised treads) as your marker. If it is between 11 and 13 RPM you are done.

If it is above 13 RPM adjust your regulator valve until the RPM drops below 13. Once it has dropped below 13 RPM, you are done with Step 7.

If it is below 11 RPM adjust your regulator valve so that more water flows through the PoolCleaner™ and skimmer until it is above 11 RPM. Once it is above 11 RPM, you are done with Step 7.

NOTE: This is equivalent to 7 to 10 inches (18-25cm) of mercury on a vacuum gauge. A vacuum gauge is NOT included with the PoolCleaner™ but is available at your local pool store.

Count RPM here
at the hump on the
RIGHT FRONT WHEEL



KEEP THE POOLCLEANER BELOW THE WATER LEVEL ! ! !

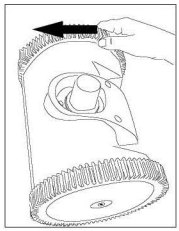
SERVICING YOUR POOL CLEANER

(Removal of obstruction or turbine vane replacement)

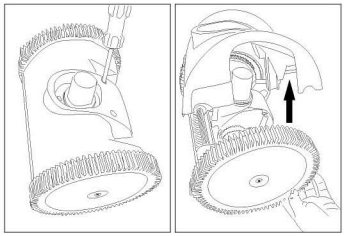
BEFORE YOU DO ANYTHING, TURN THE PUMP **OFF**. SUCTION CAN BE DANGEROUS!

1. **Remove the PoolCleaner™ from the pool, making sure to place the hoses straight.** Seperate the PoolCleaner™ from the Leader Hose.

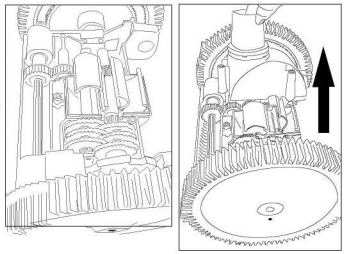
2. First we will check to see if anything is clogged inside the PoolCleaner™. Rotate the RIGHT FRONT wheel forward (the grill is the front). If it won't move, there is an obstruction. If it moves smoothly there probably is no obstruction.



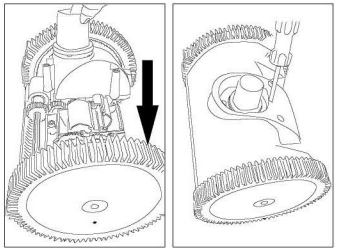
3. Place the cleaner on a work surface. You will need a Phillips screwdriver. Remove the three screws that hold the Shroud (Top Cover) and remove the Shroud. Set the screws and Shroud aside.



4. Remove the Turbine Cover. The Turbine Cover fits tightly so you may have to wiggle it a little. If need be, remove the vanes by sliding them out horizontally. Should there be any obstruction, remove it. When you reinsert the vanes, make sure that they fold forward, toward the front of the cleaner (the grill). Also make sure that you don't insert the worn side of the vanes into the turbine hub as this would cause them to fall out.



5. Replace the Turbine cover making sure it is on correctly. Now visually inspect the rest of the cleaner removing any debris that may be in gears, drive shafts etc. **BEFORE PLACING THE SHROUD BACK ON, REPEAT STEP 2 (turning the right wheel) to make sure the PoolCleaner™ runs smoothly.** If it doesn't turn, you may have replaced the vanes incorrectly. Place the Shroud back onto the PoolCleaner™ making sure it's on correctly. Drop the three screws into the screw holes and secure.

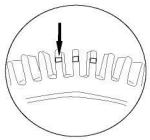


SERVICING YOUR POOLCLEANER

(Changing tyres on your PoolCleaner™)

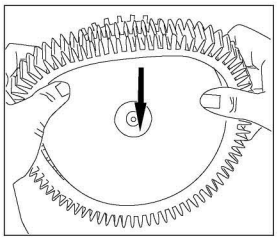
BEFORE YOU DO ANYTHING, TURN THE PUMP **OFF**. SUCTION CAN BE DANGEROUS!

1. **Remove the PoolCleaner™ from the pool, making sure to place the hoses straight.** Seperate the PoolCleaner™ from the Leader Hose.

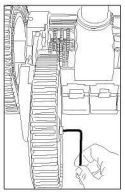


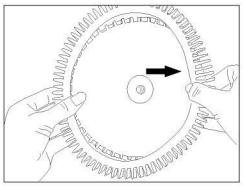
2. The tyres **must** be replaced when the tyres are worn down to the tread wear indicators!

NOTE The front tyres ALWAYS have HUMPS (raised treads) on both the 2X & 4X PoolCleaner™. The back tyres on the 4X DO NOT have humps.

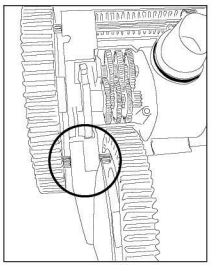


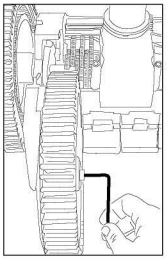
3. Place the cleaner on a work surface. To remove the 2X PoolCleaner™ tyres or 4X PoolCleaner™ **front** tyres, using only your hands (other objects may damage the PoolCleaner™) simply fold the tyre off from top to bottom.





4. To remove the 4X PoolCleaner™ **back** tyres you will need to remove the Shroud with a Phillips screwdriver and then remove the Wheel Hubs with a 5/32" (4mm) Allen wrench turning the wrench counterclockwise. Once off, fold the tyre off the Wheel Hub. To replace, stretch the tyre over the Wheel Hub (starting from one side and folding it back on). Make sure the tyre is on correctly. If need be, do this closer to your body for better leverage.





5. Place the bolt through the Wheel Hub and line it up with the threaded hole, making sure the gear protruding from the PoolCleaner™ engages with the gears on the Wheel Hub. Tighten bolt with Allen wrench clockwise.

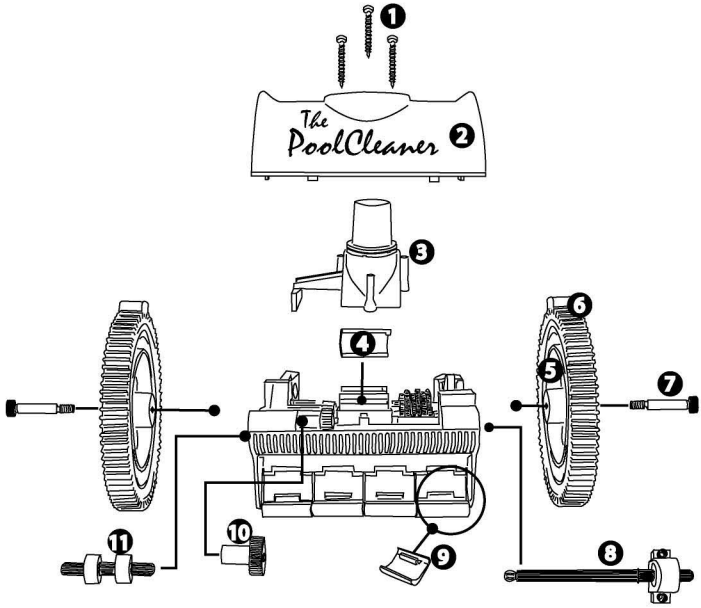
6. Place the Shroud back onto the PoolCleaner™ making sure it's on correctly. Drop the three screws into the screw holes and secure.

TROUBLESHOOTING YOUR POOLCLEANER

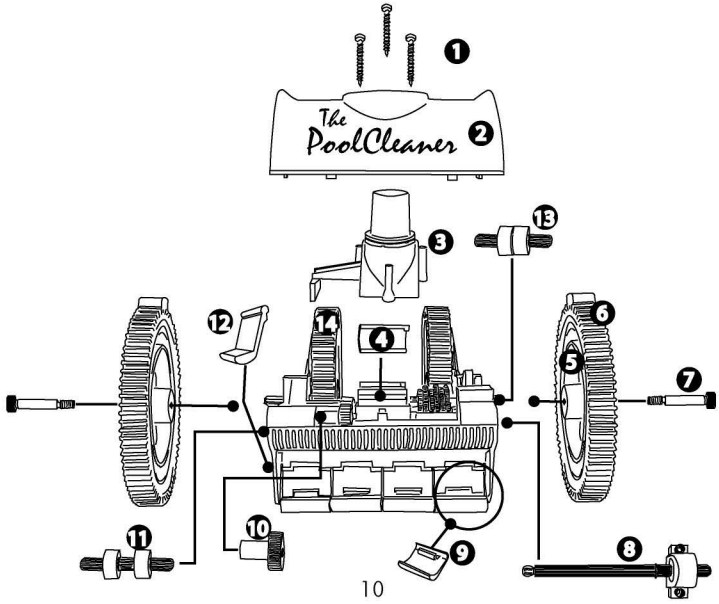
PROBLEM	SOLUTION
The PoolCleaner does not move.	★ The pump may be turned off. ★ The pump may not be primed. Check for leaks in the system (symptoms -- bubbles from the returns ?) ★ Problem or obstruction in the system. ★ Filter needs backwashing. Clean pump and skimmer baskets. ★ Pump impeller may be blocked (see pump manual) ★ Obstruction in the PoolCleaner itself. See pg 9 to clear.
The PoolCleaner moves too slow. (see also "does not move" above)	★ Problem or obstruction in the system. ★ Obstruction in the PoolCleaner itself. ★ Low wheel RPM (insufficient flow). See pg 7 to adjust.
The right wheel will not turn when rotated by hand.	★ Obstruction in the PoolCleaner itself. See pg 9 to clear.
The loops in the hoses won't come out.	★ The hoses have been stored in a coiled position. Lay them straight in the sunlight. ★ Clean swivel on cleaner head by running it under a tap.
The PoolCleaner does not clean the entire pool.	★ The hose is too short. See pg 4. Step 2 ★ The float(s) may be in the wrong position. See pg 4. Step 2 ★ The Hose Cone Swivel (on the turbine cover) may be dirty. Clean it. ★ The return fittings may be pushing the PoolCleaner hoses away. Point them down. See pg 4. Step 1
The PoolCleaner climbs the wall too much or climbs out.	★ The tire treads and skirts may be worn down. ★ Too much suction or flow. See pg 6 to adjust.
The PoolCleaner won't climb the wall. (see also "moves too slow" above)	★ Too little suction or flow. See pg 7 to adjust. ★ Float may be in the wrong position. See pg 4. Step 2
The hoses leak.	★ An animal may have bitten into the hose.
The PoolCleaner falls on its side and takes too long to recover.	★ The float(s) may be in the wrong position. See pg 4. Step 2 ★ The hose is too short. See pg 4. Step 2 ★ The return fittings may be pushing the PoolCleaner hoses away. Point them down. See pg 4. Step 1

ALWAYS TURN OFF THE SYSTEM BEFORE PERFORMING ANY REPAIRS. ALWAYS REMOVE THE POOLCLEANER AND TURN OFF SYSTEM BEFORE SWIMMERS ENTER THE POOL. REMEMBER SAFETY FIRST !!!

2 WHEEL POOLCLEANER



4 WHEEL POOLCLEANER



WARRANTY

Hartford Pines Pty Ltd ACN 080 687 734 trading as Lincoln (www.linc.com.au) warrants to the purchaser of this product that if any part thereof proves to be defective in workmanship or material in normal domestic use within two years from the date of original purchase, such defective part will be replaced free of charge.
This warranty excludes damage caused by misuse contrary to the operating instructions, neglect, shipping, accident or normal wear and tear. Warranty for the product in commercial use is limited to 6 months. A charge will be made for service outside the warranty period.
The warranty does not cover the cost of transport to and from the retailer or the nearest Lincoln Service Centre.
The rights and remedies conferred by this warranty are in addition to those conferred under the Trade Practices Act and other State and Territory Laws.

HOW TO CLAIM
Complete the form below and return it along with the proof of purchase and the product to the retailer from whom it was purchased or the nearest Lincoln Service Centre. Contact sales@linc.com.au for the nearest location.

REGISTRATION CARD

LINCOLN WARRANTY CLAIM

Owners Name .....

Address .....

.....

Telephone .....

Model Number ..... Date of Purchase .....

Description of Fault .....

.....

.....

.....

.....

Attach Proof of purchase